

# American Safe Air

Nuclear, Biological, and Chemical Protection

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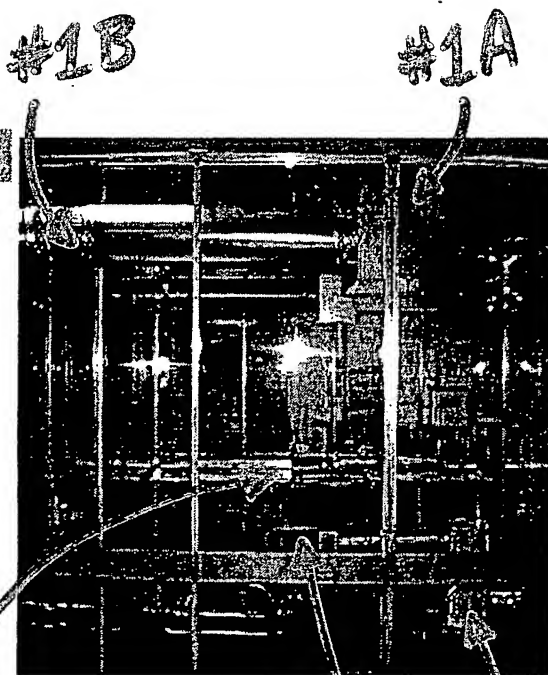
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## Negative Pressure NBC Mail Sorting Room™



### Mail Sorting NBC Safe room

- 10 X 10 X 7' 3" main room and a 5 X 10 X 7' 3" ante room.
- Shatter proof lexon, non standard custom sizes available on request.
- Internal aluminum frame
- Negative pressure mail sorting table
- Designed to contain Bio threats and greatly reduce the risk to employees working in the mail room.
- Dual HEPA Carbon VOC Filtration Units
- Units can be delivered in 1 week and installed in one day.
- Installation and training available.

The American Safe Air Negative Pressure Mail Sorting Room is

## Three Stage Filtration

- **Durable Metal Cabinets**  
Provide greater protection of filters and internal components and do not emit toxins.
- **Highly-Efficient Motor/Fan**  
Low electrical consumption when continuously run over a long period of time.
- **Highly Efficient Air Cleaning**  
The AirWash is 99.9% efficient on air borne particles over 0.3 microns (1/25th of an inch).
- **Three-Stage Filtration**



**Stage 1:** Foam prefilter (2500HV/4000HV)

Removes large particulates.

**Stage 2:** HEPA filter

99.97% efficient @ 0.3 microns. Removes dust, pollen, bacteria, animal dander, attached viruses, cigarette smoke, radon daughter and more.

**Stage 3:** V.O.C. filter

Removes hazardous chemicals, threats and off-gas from cleaners, paints, solvents, carpets, furniture and other items containing synthetic materials.

## Filter Specifications

- Central HEPA (High Efficiency Particulate Air) 100% Sealed Air Cleaning Device
- U.L. and C.S.A. approved.

designed to provide the safest mail sorting area possible. Mail handlers with proper training and supervision can maintain a safe work environment and contain all known biological threats received in the mail, thereby keeping your operation running.

The system is designed to remove large dust particles first, then the smaller dangerous particles of biological agents followed by carbon absorption of chemical agents. It will provide a high level of protection in most known circumstances. It is ideal for setting up a safe mail room in any office.

The ChemBio Airwash is a HEPA filtration system that creates a down-flow of air on a mail sorting surface, that leads directly into two HEPA filters. Possible particulate hazards such as Chemicals or Bio-Matter from incoming mail are forced into the HEPA filter. Each filter has 100 ft of HEPA filter surface area to allow maximum airflow. The clean air out is ducted to create a negative pressure in the room (so any contaminants that do end up in the room, stay there to be drawn into the ChemBio Airwash).

For maximum protection, mail is directed to a sealed room with a ChemBio Airwash system in use. The operator must be trained in basic aseptic techniques and wear proper PPE. Any mail would be inspected and opened directly on the ChemBio Airwash's downdraft HEPA sorting surface.

**ChemBio Airwash: Simple To USE**

**DIMENSIONS:** 28" X 17" X 44"

**HEPA SURFACE AREA:** 100 sq. ft. of filter surface per filter.

**MATERIALS:** 24 gauge cold rolled steel

**CONTROL:** on/off

**WEIGHT:** 23 lbs.

**AIR FLOW (C.F.M.):** 750 -1000 cfm

**POWER USAGE:** 168 Watts

**FINISH:** Powder coated baked enamel

**COLOR:** yellow, black tray for contrast

**INTAKE (Section):** Steel enclosure surrounding a three-stage filter assembly

**OUTFLOW (Section):** Encloses motor

#### **MOTOR/FAN**

- Dual Thermally protected Class insulated motor
- Designed for continuous operation
- Run tested for 50,000 hours
- Service: 120 Volt, 60 Hz or 230 50/60 Hz

#### **FILTER LIFE**

- One Incident or
- Stage 2: HEPA Filter: 2-5 years
- Stage 3: Carbon Filter 6 months

Filters can be changed by Haz Mat managers after an incident and saved as evidence.

1. Turn the unit on High.
2. Allow the motor to reach maximum speed, maximum air intake will result at the DOWNDRAFT HEPA SORTING SURFACE.
3. Place the MATERIAL to be opened or inspected on the DOWNDRAFT HEPA SORTING SURFACE.
4. Proceed with opening or inspecting MATERIAL.
5. When completed - Turn the unit to low (it will continue to clean the surrounding air).
6. If any unknown, foreign, or suspicious substance has been detected, follow your COMPANY PROCEDURES, secure mail sorting area, and CALL AUTHORITIES IMMEDIATELY.

Call us and inquire about our total system, including personal safety training for mail room sorting and handling.

